

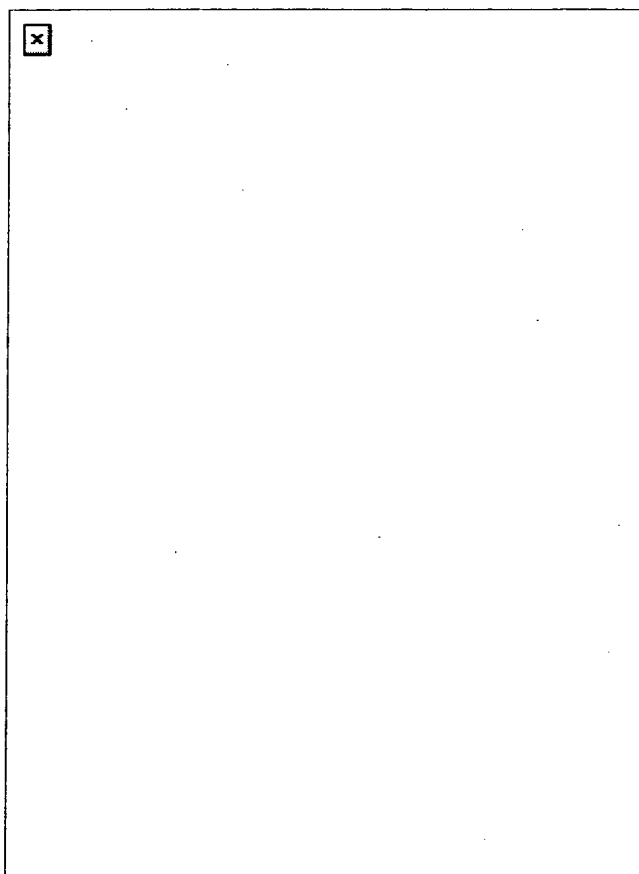
OPTICAL FINGERPRINT DETECTION MECHANISM

Patent number: JP5242230
Publication date: 1993-09-21
Inventor: IGAKI SEIGO; others: 02
Applicant: FUJITSU LTD
Classification:
- **International:** G06F15/64; A61B5/117; G06F15/62
- **European:**
Application number: JP19920043025 19920228
Priority number(s):

Abstract of JP5242230

PURPOSE: To improve the positioning precision between an optical system and an image pickup element by attaching the image pickup element to a printed circuit board with a positioning plate between them to make a light reception face and the printed circuit board accurately parallel.

CONSTITUTION: An image pickup element 14 is soldered to a printed circuit board 17 with a positioning plate 20 between them, and as the result, the light reception face of the image pickup element 14 is certainly parallel with the printed circuit board 17. Since a protective case 24 covering a light source 12 and the image pickup element 14 is fixed after being positioned to the positioning plate 20, the case 24 is parallel with the positioning plate 20; and consequently, arrangement of the image pickup element 14 and the case 24 is unequivocally determined. The positioning precision of a first parallel plane plate 30 placed on the case and a parallel plane plate 31 placed on this plate 30 is fixedly determined to the case 24.



Data supplied from the esp@cenet database - Worldwide

書誌

(19)【行】日本 特許 (JP)

(12)【公報種別】公開特許公報 (A)

(11)【公開番】特開平5-242230

(43)【公開日】平成5年(1993)9月21日

(54)【明の名】光的指紋 出機構

(51)【際特許分類第5版】

G06F 15/64 G 9073-5L

A61B 5/117

G06F 15/62 460 9071-5L

【FI】

A61B 5/10 322 8932-4C

【審査請求】未請求

【請求項の】5

【全頁】6

(21)【出願番】特願平4-43025

(22)【出願日】平成4年(1992)2月28日

(71)【出願人】

【識別番】000005223

【氏名又は名】富士通株式 社

【住所又は居所】神奈川県 川崎市中原 上小田中1015番地

(72)【明者】

【氏名】井垣 誠吾

【住所又は居所】神奈川県 川崎市中原 上小田中1015番地 富士通株式 社

(72)【明者】

【氏名】新崎 卓

【住所又は居所】神奈川県 川崎市中原 上小田中1015番地 富士通株式 社

(72)【明者】

【氏名】本間 浩二

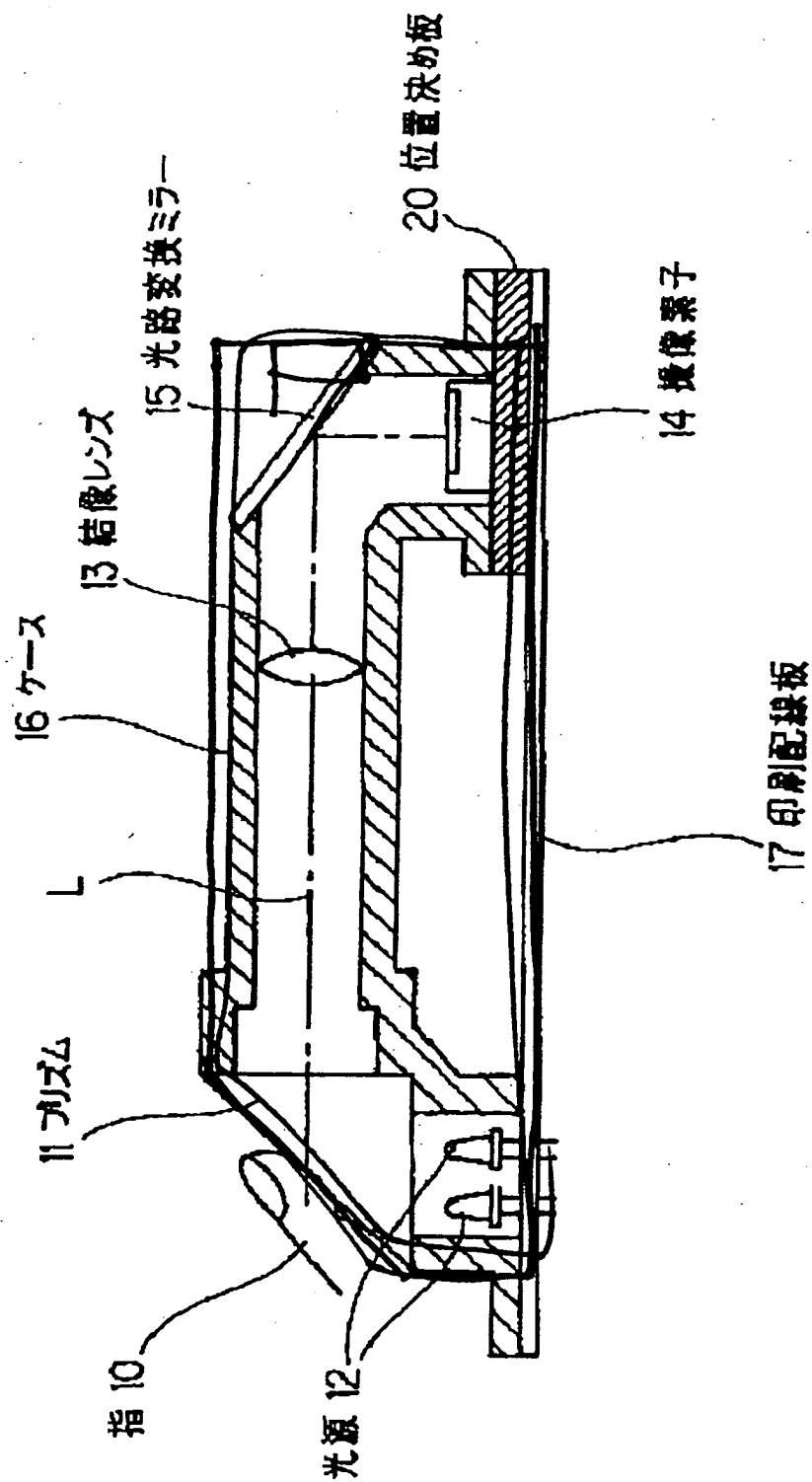
【住所又は居所】神奈川県 川崎市中原 上小田中1015番地 富士通株式 社

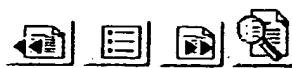
(74)【代理人】

【弁理士】

【氏名又は名】井島 藤治 (外1名)

本発明の第2の実施例を示す構成図





Current Page: 13 / 129

OPTICAL FINGERPRINT DETECTION MECHANISM

서지사항

권리구분	특허공개		
출원번호	1992-043025	공개번호	1993-242230
출원일	19920228	공개일	19930921
국제분류	G06F-015/64 A61B-005/117, G06F-015/62		
출원인	FUJITSU LTD		
발명자	IGAKI SEIGO, NIIZAKI TAKU, HONMA KOJI		
대리인			
우선권			

ABSTRACT

PURPOSE: To improve the positioning precision between an optical system and an image pickup element by attaching the image pickup element to a printed circuit board with a positioning plate between them to make a light reception face and the printed circuit board accurately parallel. **CONSTITUTION:** An image pickup element 14 is soldered to a printed circuit board 17 with a positioning plate 20 between them, and as the result, the light reception face of the image pickup element 14 is certainly parallel with the printed circuit board 17. Since a protective case 24 covering a light source 12 and the image pickup element 14 is fixed after being positioned to the positioning plate 20, the case 24 is parallel with the positioning plate 20; and consequently, arrangement of the image pickup element 14 and the case 24 is unequivocally determined. The positioning precision of a first parallel plane plate 30 placed on the case and a parallel plane plate 31 placed on this plate 30 is fixedly determined to the case 24.

원문 보기 ✓

월간 번역

★ 일한번역 원문

* 데이터로딩 및 번역에 약 10-20초가 소요됩니다.

* 원문을 보시려면 원문 Viewer가 필요합니다. (다운받기)

